Bosch Coach Multimedia

2009 | 2010

BOSCH

Invented for life

3 Overview

Audio
5 Professional Line 2
8 Classic Line 2
9 Additional audio equipment
10 Microphones
12 Multichannel Audio System - MAS

Video
15 LCD monitors
18 DVI system
20 Video sources
21 Additional video systems

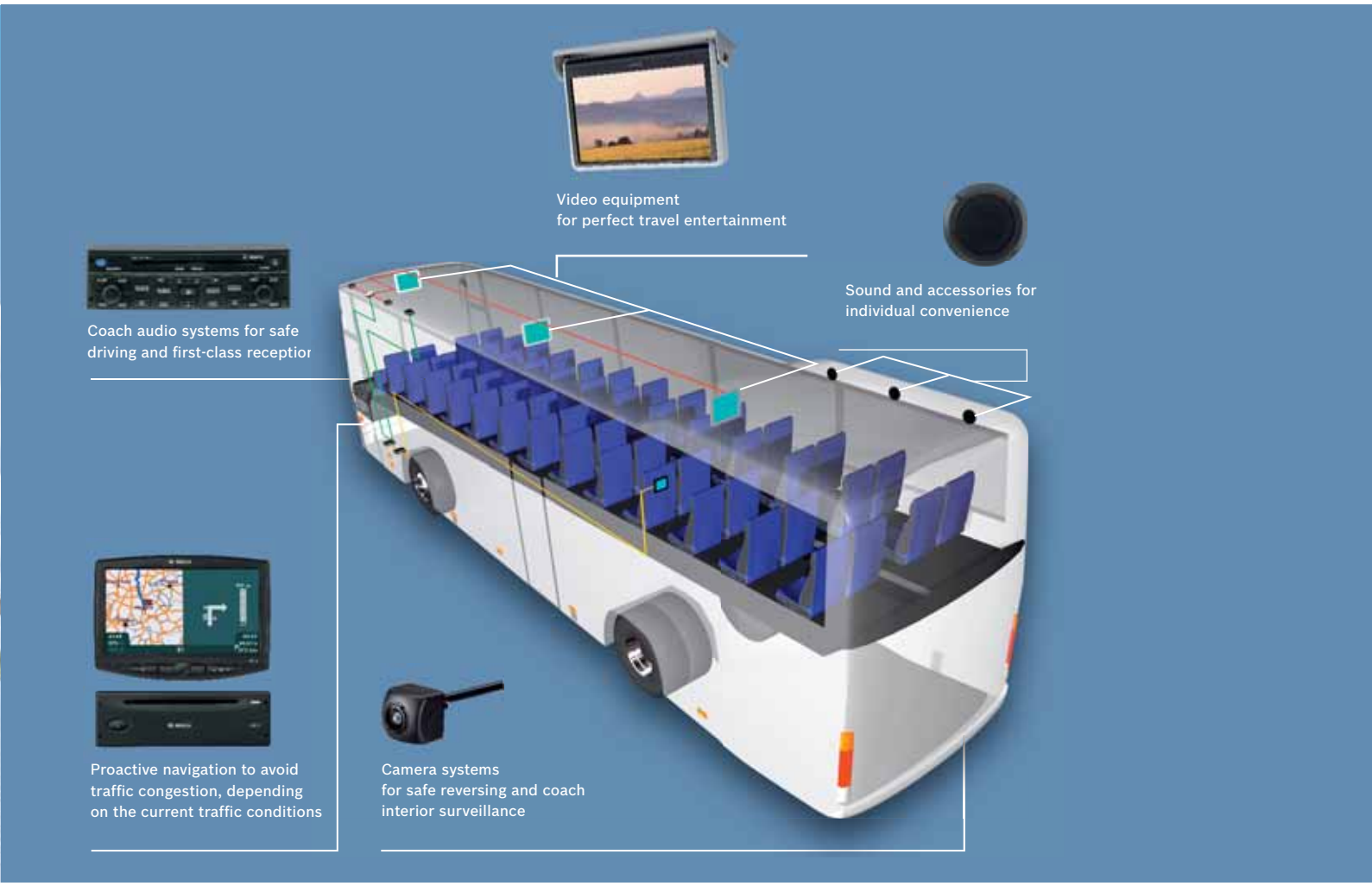
Navigation
24 DVD navigation
25 Multimedia display

Accessories
27 Cameras
29 Recording devices

30 All products at a glance

Bosch Car Multimedia Coach Systems – Superior comfort and convenience.

Bosch Car Multimedia is a leading innovator in the field of mobile communications. Years of experience and keeping a close eye on the future have made us the international market leaders in professional coach systems that we are today. Our continuous enhancement of components enables us to build flexible multimedia systems that can be combined to meet your individual needs and can be perfectly integrated into any coach. Our products have been developed and built to suit the particular needs of the coach industry and undergo special quality testing to ensure that they are ideal for the coach environment. Experience, reliability, innovation and quality – our ingredients in a recipe designed to guarantee your satisfaction.



Audio

The sophisticated audio systems from Bosch are based on the latest technology standards and user-friendly solutions. Experience information and entertainment from a single source – enhanced convenience for the driver and passengers. The head units, microphone systems and seat modules designed specifically for coaches make up the entire spectrum of modern audio systems.

Great performance – **the Professional Line 2.**

The Bosch Professional Line 2 multimedia coach system is a high-end solution for coaches with 24-volt on-board networks. The Professional Line 2 consists of a head unit (CCU 02 MP3 Professional) to control the connected audio, video and navigation components, an amplifier (CPA) with separate end stages for the driver and passengers and a DVD player with an integrated display (CVX 02 Professional) that shows the sources and functions selected. The amplifier is available with two different power levels. The dynamic, DVD-based Coach Navigation PX-V navigation system can be completely integrated into the system and controlled by the CCU 02 MP3 Professional. The coach-specific multimedia display (CLX), or the navigation monitor as an alternative, shows the selected sources and the coach system functions (MMI).

Such other external components as a mobile telephone, driver warning system, camera and iPod can be added to the system at any time. An integrated CAN interface enables the display of navigation information (driving direction symbols) and information from the coach system (source and function selected) on the vehicle-specific instrument cluster (manufacturer-specific).

CCU 02 MP3 Professional

The CCU 02 MP3 Professional head unit is at the heart of the high-end Professional Line 2 coach system. It controls all the audio, video and navigation components connected. The system also includes a radio and MP3 CD drive.

- Operating voltage: 12 V via CPA
- Operating temperature: -20 °C to +70 °C
- Installation angle: -10° to +60°
- Standards: e1, FCC, CE, WEEE

Radio

- RDS-EON radio
- 3 wavebands (FM, MW, LW)
- 30 station presets on 5 memory levels
- Digital signal processing (DigiCeiver)
- Optimized digital channel separation (SHARX®)
- Travelstore and Traffic Announcement

CD

- CD drive with 8 x oversampling
- Formats: audio CD (CDDA), CD-R, CD-RW, MP3/WMA-CD
- Shock Memory for MP3/WMA 3 to 5 seconds
- CD mix
- MP3 functionality

Other features

- Separate tone control for the driver and the passengers
- MAP key to display the navigation map on the passenger monitors
- CAM key to display the camera pictures on the driver monitor and to switch between the four possible cameras (in connection with a CLX multimedia display)
- NAV key to display navigation information on the CLX Multimedia Display or the navigation monitor
- 3 microphone input jacks with priority switch for the driver microphone
- Telephone hands-free system via the CDM 08 GSM driver microphone (only in connection with a mobile phone connected to the CPA)
- Night design (green, red, yellow)
- Display of pictures in JPG format with background music on the passenger monitors

CVX 02 Professional

The Professional Line 2 display unit with an integrated DVD drive displays the audio and video components selected with their corresponding menus and functions in the driver cockpit and the passenger cabin.

- Operating voltage: 12 V via CPA
- Operating temperature: -20 to +70° C
- Installation angle: -90 to +90°
- Standards: e1, FCC, CE, WEEE
- System: PAL, NTSC
- On-Screen Display (OSD)
- Dolby Digital support
- IIR remote control unit for passenger functions included

DVD

- CD/DVD drive with 8 x oversampling
- Region Code available for: 1, 2, 4, 5
- Formats: DVD-R (not DL), DVD-RW (not DL), SVCD, VCD, JPEG, audio CD (CDDA), CD-R, CD-RW, MP3/WMA-CD
- Shock Memory for DVD 2-3, for SVCD/VCD 5, for CDDA 22 and for MP3/WMA 12 seconds
- DVD/CD mix

Other features

- Station and operating keys for the radio functions
- Operating key to manually switch the passenger monitors on and off
- Switchable display color (green, red, yellow)
- Integrated video switch and connection option for an external video source

Optimized operating interface
Professional Bosch Car Multimedia coach systems have been developed to meet the specific requirements of the coach industry and are frequently upgraded with innovative new functions. The Professional Line 2 currently offers a visually and technically optimized operating interface that facilitates the control of the connected components and thereby increases traffic safety. Thanks to the intelligent display, the driver can also see all the important functions quickly and easily. This is primarily due to the vertical division on the screen, which shows all the currently active cockpit functions on the left-hand side – and displays the functions activated in the passenger cabin on the right.

CLX 01 Professional

- Simultaneous display of cockpit and cabin source
- Special color coding for each source for safer and easier operation
- Permanent display of the remote key allocation of the CCU 02 MP3 Professional
- Display side currently selected is accentuated by brighter illumination

CPA 81

The CPA 81 coach amplifier offers two separate end stages for the driver and passengers, each equipped with 2 x 20 watts of power, and serves as the central power supply for the system components.

- Operating voltage: 24 V
- Output power: 4 x 20 W
- Operating temperature: -20 °C to +70 °C
- Enclosure: Black metal
- Dimensions (W x H x D): 218 x 55 x 217.5 mm
- Weight: 2.0 kg
- Installation angle: unlimited
- Standards: e1, FCC, CE, WEEE

Other features

- Inputs for 6 audio/video sources (radio, CD, CD changer, DVD, TV, video)
- Inputs for 3 external AF sources (mobile telephone, driver warning system, navigation); voice emitted via driver speaker
- Power supply for CVX, CCU MP3, CD changer, DVP, MVP and hands-free system
- MAS output for CD changer and video
- Network via CAN
- Telephone mute
- Source-specific level adjustment
- Bass/treble/balance
- 12 V output for further external devices

CPA 121

The CPA 121 coach amplifier has three separate end stages for the driver and passengers with 2 x 20 watts of power each, making it an ideal choice for double-decker coaches as well.

Same features as for the CPA 81

Other features

- Output power: 6 x 20 W
- Input jacks for 7 audio/video sources (radio, CD, 2 x CD changer, DVD, TV, video)
- Line-out for a second amplifier (cascading)
- Bass/treble/balance/fader

Simple entry level solution – **the Classic Line 2.**

Two programs in one system: Thanks to the separate setting options, the driver and the passengers can enjoy music or video programs independently of one another. The Classic Line 2 consists of the coach head unit (CCA 47) and the coach radio with a CD/MP3 drive (CRD 47 MP3). Both units are equipped with an integrated amplifier with 2 x 20 watts of power. The perfect choice for city buses or long-distance coaches.

Coach CRD 47 MP3

Nothing can shake up a CD/MP3 drive that's made by Bosch. The radio frequency band is easy to switch so that the Coach CRD 47 MP3 can be used in Europe as well as in the NAFTA region.
The MP3 drive can play entire music collections from MP3 CDs.

- Operating voltage: 24 V
- Operating temperature: -20 °C to +70 °C
- Installation angle: -10° to +60°
- Standards: e1, FCC, CE, WEEE
- Output power: 2 x 20 W

Radio

- RDS-EON-PTY radio
- 3 wavebands (FM, MW, LW)
- 25 station presets on 5 memory levels
- Travelstore and Traffic Announcement

CD

- CD drive with 8 x oversampling
- Formats: audio CD (CDDA), CD-R, CD-RW and MP3/WMA-CD
- CD mix, scan, repeat

Amplifier

- Bass/treble/balance/fader
- Source-specific sound settings
- Preamp out for additional amplifier

Other features

- Input for CD changer
- Input for auxiliary AF source (mobile phone, driver warning system)
- Sound reproduction for telephone, driver warning system and navigation
- Telephone mute
- 2 microphone input jacks with priority switch for the driver microphone
- Night design for the operating keys
- Fixed level output (tandem) for radio and CD to connect the CCA 47
- iPod-ready: iPod connection with optional interface

Coach Control Amplifier CCA 47

The Coach Control Amplifier CCA 47 head unit can be used to select any of the sound sources for the passenger cabin, such as radio/CD, CD changer, DVD player or video player. Thanks to the easily accessible MAP key, the navigation map can be displayed directly on the passenger monitors. The CAM key can be used to select up to four cameras (in connection with a camera switch or a CLX 01).

- Operating voltage: 24 V
- Operating temperature: -20 °C to +70 °C
- Installation angle: unlimited
- Standards: e1, FCC, CE, WEEE
- Output power: 2 x 20 W

Other features

- Bass/treble/balance/fader for the passenger cabin
- Indication of the active passenger source on the display
- Source selection keys for radio, CD, CD changer, video, CAM and MAP
- 2 microphone input jacks with priority switch for the driver microphone
- Night design for the operating keys
- Integrated 24 V relay to switch on a Bosch video system directly

For anyone who wants more – **Additional audio equipment.**

CDC A08 T CD changer

Your top hits on the road – the CDC-A08-T 10-disc CD changer offers your passengers crystal clear CD sound. The unit is operated via the coach head unit. Special advantages include high resistance to vibration and such environmental factors as heat and dust.

- Operating voltage: 24 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: black plastic/metal
- Dimensions (W x H x D): 245 x 86 x 197 mm
- Weight: 2.6 kg
- Standards: e1, FCC, CE, WEEE
- Installation angle: can be selected between 0° to +15° and +40° to +50° and +85° to +90°
- Formats: audio CD (CDDA)

TA 41

The TA 41 stereo amplifier was designed to amplify audio sources in vehicles with 24 V power supplies.

- Operating voltage: 24 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: unpainted/black metal
- Dimensions (W x H x D): 132 x 54 x 70 mm
- Weight: 450 g
- Standards: e1, FCC, CE, WEEE
- Installation angle: unlimited
- Output power: 2 x 20 W

BPA 49

The amplifier has 2 microphone inputs with a priority switch for the driver microphone. It is also equipped with level adjustment for the connected microphones.

- Operating voltage: 24 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: unpainted/black metal
- Dimensions (W x H x D): 167 x 56 x 97.5 mm
- Weight: 950 g
- Standards: e1, CE, WEEE
- Installation angle: unlimited
- Output power: 2 x 20 W

CMA 12 V

The microphone amplifier to connect to 12 V passenger car radios. It has 2 microphone input jacks with a priority switch for the driver microphone. The amplifier is also equipped with level adjustment for the connected microphones. And of course, microphone announcements can also be made when the radio is switched off.

- Operating voltage: 12 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: unpainted/black metal
- Dimensions (W x H x D): 167 x 56 x 97.5 mm
- Weight: 750 g
- Standards: e1, FCC, CE, WEEE
- Installation angle: unlimited
- Output power: 2 x 20 W

All loud and clear!
Microphones.

The Bosch driver microphones will make your passengers sit up and take notice. The new, innovative CDM 08 GSM driver microphone is particularly convenient. It was designed as an alternative to the standard gooseneck microphones for driver announcements as well as for telephone operation (in combination with a conventional hands-free system). This dynamic microphone can be mounted either to the left or right of the driver's seat and moved vertically to seven different click-in positions. In addition, the microphone can also be easily swiveled 90 degrees upwards or 30 degrees to either side, thus providing optimum adjustment to the driver's individual body size and arm reach. Another advantage: When an incoming telephone call is detected, the Bosch Professional Line 2 automatically switches to telephone operation in the cockpit, whereby the speaker integrated into the base of the microphone ensures that only the driver hears the telephone ring and the caller's voice.
To further optimize telephone operation, the position of the speaker's sound emission opening to the microphone capsule corresponds to the distance from the mouth to the ear.

CDM 08 GSM/CDM 08

- Operating voltage: not required due to dynamic microphone
- Operating temperature: -20 °C to +70 °C
- Transducer type: dynamic
- Frequency response: 100 – 12,000 Hz
- Sensitivity: -60 dB
- Nominal impedance: 240 Ω

This microphone is also available as an announcement microphone (CDM 08) without the telephone hands-free function.

BGH 09 S Handheld microphone

The handheld microphone was specially designed to be connected to a Bosch coach system and for professional use in a coach. The extensive range of accessories ensures that the microphone can be safely stored in the cockpit and provides the travel guide with a sufficient moving range. New: Now that the wind protection has been directly integrated into the microphone, not only has the sound quality improved, it is now also impossible for the wind protection to be stolen.

- Operating voltage: not required due to dynamic microphone
- Operating temperature: -20 °C to +70 °C
- Transducer type: dynamic
- Frequency response: 200 – 10,000 Hz
- Sensitivity: -78 dB
- Nominal impedance: 200 Ω
- Color: black
- Length: 92.5 mm

BGM 09 S gooseneck microphone

The solid gooseneck microphone equipped with a switch (BGM 09 S) or without a switch (BGM 09) was specially designed to be connected to a Bosch coach system and for professional use in a coach. The driver can use this microphone to safely announce important information at any time. New: This microphone has also been equipped with integrated wind protection.

- Operating voltage: not required due to dynamic microphone
- Operating temperature: -20 °C to +70 °C
- Transducer type: dynamic
- Frequency response: 200 – 10,000 Hz
- Sensitivity: -78 dB
- Nominal impedance: 200 Ω
- Color: black
- Length: 800 mm

To each his own:
the Multichannel Audio System – MAS.

The Bosch Multichannel Audio System allows your passengers to select the musical entertainment they like best. Each passenger can choose from up to eight different audio sources and select the preferred volume. This means that everyone can listen to their favorite music without disturbing their neighbors. The new seat modules are water-resistant, which makes them suitable for any type of passenger or situation. Thanks to automatic channel recognition, the driver has user-friendly access to all the audio sources available.

MAS 02 head unit

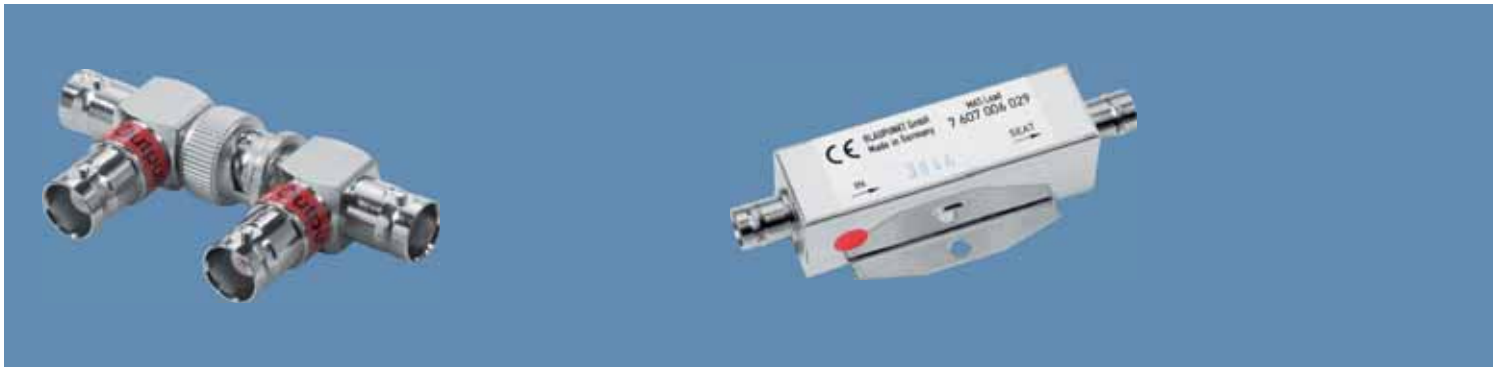
The MAS 02 head unit is able to accommodate up to eight audio sources and distribute them on four main lines to which up to 25 seat modules can be connected. Thanks to the integrated gain setting, the output on the audio sources is automatically at the same volume level.

- Operating voltage: 24 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: black metal
- Dimensions (W x H x D): 230 x 55 x 180 mm
- Weight: 2 kg
- Standards: e1, WEEE
- Installation angle: unlimited

MAS seat module (click-in and screw-in)

Ultimate convenience! The 8-channel seat module allows your passengers to select their own personal program from what the radio, CD or TV/video sound has to offer. They can also adjust the volume to the level they prefer. A digital display lets them know what they have selected. Any commercially available set of earphones can be plugged into the earphone jack. The new water-resistance feature makes the seat modules able to handle minor mishaps – Entertainment as perfect as this makes traveling a breeze.

- Operating voltage: power supplied by the MAS head unit
- Operating temperature: -20 °C to +70 °C
- Enclosure: black plastic
- Dimensions (W x H x D): 51.5 x 31.5 x 20 mm
- Weight: 30 g
- Standards: e1, FCC, CE, WEEE
- Installation angle: click-in, screw-in, unlimited



MAS terminal distributor

The MAS distributor is used in the main line of the Multichannel Audio System to distribute the multiplex signal to the connected seat modules and to loop the signal into the next distributor.

- Operating voltage: power supplied by the MAS head unit
- Operating temperature: -20 °C to +70 °C
- Enclosure: unpainted metal
- Dimensions (W x H): 64 x 31 mm
- Weight: 46 g

MAS terminal resistor

The MAS terminal resistor is used to match the resistance to the characteristic impedance of the MAS system.

- Operating voltage: power supplied by the MAS head unit
- Operating temperature: -20 °C to +70 °C
- Enclosure: unpainted metal
- Dimensions (W x H x D): 93.5 x 38 x 22 mm
- Weight: 50 g
- Standards: e1, FCC, CE, WEEE

Video

Make traveling more fun!
On long-haul flights, it has already been the standard for years. And now a TV video system is an absolute must on board modern luxury coaches as well! Bosch offers a complete information and entertainment system for your vehicles with a wide range of options – from DVD players to TV tuners along with coach monitors in a variety of different sizes. The Bosch flat screens in particular not only save space, they also set new standards in terms of technology, installation flexibility and design, which is why they are so easy to operate and can be integrated into any coach interior.

Cinema-like quality – **the LCD monitors.**

23" LCD Premium Design

23" LCD Premium Design

High-tech LCD monitor in an extra-large format and with outstanding picture quality. Including a VGA and a serial interface.
It is also possible to store your own personal start logo.

- Screen diagonal: 582 mm
- Screen format: 16:9
- Viewing angle (H/V): ±85/±85°
- Resolution: 1366 x 768 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 24 V
- Operating temperature: 0 °C to +50 °C
- Enclosure: grey metal
- Dimensions (W x H x D): 559.5 x 322.5 x 54 mm
- Weight: 6 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint

19" LCD Premium Design

19" LCD Premium Design

A new standard in the coach. In addition to its 16:10 format, the ultra-flat screen includes a VGA interface and allows you to store your own personal start logo.

- Screen diagonal: 475 mm
- Screen format: 16:10
- Viewing angle (H/V): ±80/±80°
- Resolution: 1440 x 900 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, NTSC, SECAM
- Operating voltage: 12/24 V
- Operating temperature: 0 °C to +50 °C
- Enclosure: grey metal
- Dimensions (W x H x D): 440.5 x 282 x 40.9 mm
- Weight: 4.7 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint, activate terminating resistor, 4 format settings

19" LCD Premium swivel monitor

19" LCD Premium swivel monitor

Innovative swivel monitor that meets the requirements of EU Directive 2001/85/EG for an aisle height of 1.90 m. Thanks to its patented mechanics, the monitor can be easily pushed aside in either direction, should it present any danger. This means that the aisle is no longer blocked.
Quite a technical challenge since the monitor must be very stable on one hand, and very flexible on the other. In addition, the monitor stands out with its excellent picture quality. This monitor is also equipped with a VGA interface and allows you to store your own personal start logo.

- Screen diagonal: 475 mm
- Screen format: 16:10
- Viewing angle (H/V): ± 80/± 80°
- Resolution: 1440 x 900 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, NTSC, SECAM
- Operating voltage: 12/24 V
- Operating temperature: 0 °C to +50 °C
- Enclosure: plastic design enclosure
- Dimensions (W x H x D): 489 x 347 x 74 mm
- Weight: approx. 7 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint, activate terminating resistor, 4 format settings

15" LCD Premium swivel monitor

15" LCD Premium swivel monitor

Design and functionality that set standards. The innovative swivel dynamics make it possible to push the 4:3 monitor away to the front or back, should it present any danger. This monitor also includes a VGA interface and allows you to store your own personal start logo.

- Screen diagonal: 380 mm
- Screen format: 4:3
- Viewing angle (H/V): ±85/±85°
- Resolution: 1024 x 768 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 12/24 V
- Operating temperature: 0 °C to +50 °C
- Enclosure: grey plastic
- Dimensions (W x H x D): 384.6 x 283 x 63.8 mm
- Weight: 4.85 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint

15" LCD Premium Design

High-tech LCD monitor with brilliant sharpness and color reproduction. The VGA interface on the monitor can be used to show presentations from an external computer.
This monitor also allows you to store your own personal start logo.

- Screen diagonal: 380 mm
- Screen format: 4:3
- Viewing angle (H/V): ±85/±85°
- Resolution: 1024 x 768 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 12/24 V
- Operating temperature: 0 °C to +50 °C
- Enclosure: grey metal
- Dimensions (W x H x D): 338 x 261 x 40.2 mm
- Weight: 3.7 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint

15" LCD EcoLine

The Bosch EcoLine LCD monitor delivers outstanding picture quality to keep your passengers satisfied. This functionally optimized 15" LCD monitor is unrivalled in its class. The monitor also allows you to store your own personal start logo.

- Screen diagonal: 380 mm
- Screen format: 4:3
- Viewing angle (H/V): ±60/-55 to +45°
- Resolution: 1024 x 768 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 24 V
- Operating temperature: 0 °C to +50 °C
- Enclosure: grey metal
- Dimensions (W x H x D): 338 x 230 x 40.2 mm
- Weight: 2.9 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint

15.4" LCD EcoLine Widescreen

A widescreen monitor with outstanding picture quality. The monitor is the ideal choice for installation in the roof liner and delivers a real cinema experience with its 16:10 format.

- Screen diagonal: 391 mm
- Screen format: 16:10
- Viewing angle (H/V): ±70°/±80°
- Resolution: 1280 x 800 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 12/24 V
- Operating temperature: 0 °C to +50 °C
- Dimensions (W x H x D): 365.5 x 234.5 x 40.5 mm
- Weight: 3.0 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint, activate terminating resistor, 4 format settings

Swivel module for the 15" LCD monitor

This module makes it possible to automatically swivel the Bosch 15" LCD Premium monitor and the 15" EcoLine monitor in and out.

10.2" LCD Premium swivel monitor

A size that promises individuality. This monitor can be installed virtually anywhere in the vehicle, and thanks to its swivel construction, it can be easily moved forward or back, if required. This means that your passengers can always adjust the monitor to enable optimal viewing.

- Screen diagonal: 259 mm
- Screen format: 16:9
- Viewing angle (H/V): ±65°/+45° -65°
- Resolution: 800 x 480 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 12/24 V
- Operating temperature: 0 °C to 70 °C
- Dimensions (W x H x D): 266.6 x 217.8 x 29.5 mm
- Weight: 2.0 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint, activate terminating resistor, 4 format settings

10.2" LCD Premium Design

A size that promises individuality. This monitor can be installed very flexibly in the vehicle and will impress your passengers with its brilliant, sharp pictures in a compact format.

- Screen diagonal: 259 mm
- Screen format: 16:9
- Viewing angle (H/V): ±65°/+45° -65°
- Resolution: 800 x 480 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 12/24 V
- Operating temperature: 0 °C to 70 °C
- Dimensions (W x H x D): 266.6 x 217.8 x 29.5 mm
- Weight: 1.5 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint, activate terminating resistor, 4 format settings

10.2" LCD Premium built-in monitor

The star in the smaller crowd. This built-in monitor can be easily integrated into the seat. The viewing angle can be individually adjusted to accommodate the height of the passenger to provide professional entertainment for everyone.

- Screen diagonal: 259 mm
- Screen format: 16:9
- Viewing angle (H/V): ±65°/+45° -65°
- Resolution: 800 x 480 pixels
- LCD brightness: ≥ 250 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 12/24 V
- Operating temperature: 0 °C to 70 °C
- Dimensions (W x H x D): 248.8 x 148.1 x 23.5 mm
- Weight: 1 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, tint, activate terminating resistor, 4 format settings, adjustable viewing angle

6.5" CLM with and without designer faceplate

This monitor was specially designed without an enclosure to be built into dashboards or the back of seats. The CLM is also available in a version with a designer faceplate.

- Screen diagonal: 164 mm
- Screen format: 16:9
- Viewing angle (H/V): ±65°/+45° -65°
- Resolution: 400 x 234 pixels
- LCD brightness: ≥ 420 cd/m²
- Systems: PAL, Secam, NTSC
- Operating voltage: 12/24 V
- Operating temperature: -30 °C to +60 °C
- Enclosure: unpainted metal
- Dimensions (W x H x D): 162 x 109.1 x 28 mm
- Weight: 600 g
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: brightness, contrast, color saturation, tint

Information at its best – **City bus infotainment.**

The new Bosch Car Multimedia DVI-System (Digital Visual Interface) is able to meet all the safety and compatibility requirements of such a system right down to the last detail. And it's not least due to the innovative DVI connection technology with which the system can be connected to any on-board computer with a DVI interface.
In addition, the intelligent concept for the connectors makes installation easy. This makes it possible to route the cables, which are available in different lengths, through the grip bars. A coupling element (RJ45 connector) to directly connect the wires with one another, if necessary, is also part of the program.

The DVI monitor is equipped with one DVI signal input and output each for clear signal transmission. The DVI repeater integrated into the monitor distributes and conditions the signal insofar as several monitors are installed in the same vehicle or car. Thanks to digital signal transmission, several monitors can be operated without any loss in picture quality. And it is not necessary to adjust the system to different cable lengths. A separately available repeater, which is equipped with a DVI input and two DVI outputs, can be used to cover very long transmission paths.

19" LCD CityBus DVI

Designed and optimized to display passenger information in city busses, streetcars and underground trains.

- Screen diagonal: 475 mm
- Screen format: 16:10
- Viewing angle (H/V): ±80/±80°
- Resolution: 1440 x 900 pixels
- LCD brightness: ≥ 250 cd/m²
- System: PC contents via DVI
- Operating voltage: 24 V
- Operating temperature: 0 °C to +50 °C
- Enclosure: mat black metal
- Dimensions (W x H x D): 440.5 x 282 x 40.9 mm
- Weight: 4.65 kg
- Standards: e1, FCC, CE, WEEE
- Monitor setting parameters: start logo, brightness, contrast, color saturation, 4 format settings

Repeater

The repeater is required when you have to cover longer distances within the vehicle. It guarantees perfect signal quality for distances of more than 10 m. Equipped with two outputs for signal distribution, the repeater can be used flexibly.

RJ45 connector

The RJ45 connector makes it possible to easily lay cables through the grip bars in city busses. When longer distances have to be covered, this wiring concept employs defined hand-over points to guarantee perfect signal transmission within the vehicle.

PC cable

The connection cable from the bus PC to the first monitor includes a connector with integrated chip to guarantee an optimized picture. The PC cable is available in lengths of 5 m.

Diversity is the key –
Bosch video sources.

DVP 07 C DVD player

Top-quality picture reproduction in perfect DVD quality is provided by the DVP 07 C DVD player in the lean 1DIN format. The ideal add-on for your Bosch video system. And of course the Bosch coach system is able to take over the complete control of these components.

- Operating voltage: 12/24 V
- Operating temperature: +5 °C to +40 °C
- Dimensions (W x H x D): 178 x 50 x 185 mm
- Weight: 1.42 kg
- Installation angle: H: -20° to +90°
  V: -90° to +90°
- Formats: DVD-R, -RW; CD-R, -RW, MP3-CD, audio CD (CDDA), photo CD 2.0, VCD
- Systems: PAL, NTSC
- Standards: E11, CE, FCC, WEEE
- Other features: Operation via remote control and remote keys of the coach systems

DVC 07 C DVD changer

The annoying chore of having to regularly change those DVDs is now a thing of the past.
The 6-disc DVD changer, which includes a remote control unit and an infrared eye, delivers unlimited DVD enjoyment.

- Operating voltage: 12/24 V
- Operating temperature: -20 °C to +70 °C
- Dimensions (W x H x D): 230 x 82 x 179mm
- Weight: 2.2 kg
- Installation angle: H(0°): -15° to +30°, 45°: -15° to +15°
  V(90°): -30° to +15°
- Formats: DVD, VCD, SVCD, audio CD (CDDA), CD-R, CD-RW, MP3 CD, JPEG
- Systems: PAL, NTSC
- Standards: e1, CE, FCC, WEEE
- Other features: Operation via remote control and remote keys of the coach systems

TV tuner 04

For additional convenience and entertainment: This TV tuner for reception on the go offers even more movies and information.
This means that your passengers will never have to miss an important event again, e.g. international football matches or Formula-1 races.

- Systems: PAL, Secam
- Operating voltage: 12/24 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: black metal
- Dimensions (W x H x D): 260 x 115 x 30 mm
- Weight: 650 g
- Standards: e13, FCC, CE, WEEE
- Installation angle: unlimited
- On-Screen Display (OSD)
- Remote control: Basic functions via the CCU 02 MP3 Professional head unit/CCA 47, IR remote control included

Luxury and performance – **the additional video systems.**

RGB/FBAS converter

Displays the navigation map on coach monitors.

- Operating voltage: 12/24 V
- Operating temperature: -20 °C to +70 °C
- Dimensions (W x H x D): 178 x 39.3 x 101 mm
- Weight: 500 g
- Standards: e1, FCC, CE, WEEE
- Installation angle: unlimited

VGA splitter

The VGA splitter lets you connect several monitors with a VGA interface to a computer output.

- Operating voltage: 12/24 V
- Operating temperature: -20 °C to +70 °C
- Dimensions (W x H x D): 139 x 29 x 65.6 mm
- Weight: 225 g
- Standards: e1, FCC, CE, WEEE
- Installation angle: unlimited

Audio/video switch

The audio/video switch lets you connect two video sources to the Bosch coach system.

- Operating voltage: 12/24 V
- Operating temperature: -20 °C to +70 °C
- Dimensions (W x H x D): 157.5 x 35.5 x 87 mm
- Weight: 350 g
- Standards: e1, FCC, CE, WEEE
- Installation angle: unlimited

Video amplifier

Provides excellent picture quality even when there are several different monitors installed in the coach.

- Operating voltage: 24 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: black metal
- Dimensions (W x H x D): 112.8 x 42.7 x 47.7 mm
- Weight: 250 g
- Standards: e1, FCC, CE, WEEE
- Installation angle: unlimited

Navigation

Thanks to the vehicle-specific on-screen navigation provided by Bosch Car Multimedia, your drivers will always know exactly where they're going.
Precise route guidance throughout Europe is supported by a natural-sounding voice, large, unmistakable arrows and an easy-to-read display, which also shows different additional information (arrival time, distance to destination, etc.). The modern screen can display detailed maps in different views. And to make sure that operation is easy right from the start, the system has been equipped with intuitive, clearly structured menus and convenient operation via infrared remote control.

Your Coach. **Your Route.**

The Bosch Coach Navigation system guarantees your drivers a high degree of flexibility. Because physical and legal limitations are taken into consideration in route calculation, you know that you are always driving in the right direction – and that is something that your passengers will appreciate as well.
Coach Navigation makes it possible to enter such specific attributes as the height, length and weight of your vehicle so that the system will always choose a route that won't end up with any unpleasant surprises.
Traffic jams, diversions, changes to the tour schedule or a new destination? Coach Navigation makes sure that your drivers master every new situation! The large color display and handy remote control provide ultimate convenience in the cockpit. The map display – depending on the map scale – includes lots of useful information. Frequent destinations can be accessed quickly from memory. This avoids roundabout routes and wide main roads take you straight to your destination – and in some towns straight to the correct house number.

Flexibility is the key

A detour up ahead? A large monitor shows the driver how to get around it. A new destination? Bosch Coach Navigation calculates a new route in a matter of seconds.

Free choice of routes

Coach Navigation offers the driver a number of different routes right from the start. In addition to the options of fastest route, shortest route, recommended route or toll-free route, the driver can also have a route calculated that takes the specific attributes of the vehicle into consideration. Once this specific vehicle information has been entered into the system, it can be used in route calculation. This means that the navigation system will never again try to guide you along streets that are too narrow or under bridges that are too low to get you to your destination safe and sound – and stress-free.

Navigation is entertainment

Your passengers can follow along with the exact route on the monitor. The map showing towns, rivers, roads and the surrounding landscape is interesting and helps them to paint a clearer picture of the journey. Even many of the local tourist attractions and sights are included.

Absolute precision:
Bosch Car Multimedia Navigation.

Coach Navigation PX-V

The new Coach Navigation system from Bosch Car Multimedia now makes it possible to calculate a route that is individually geared to the specific attributes of your vehicle. This avoids legal and physical limitations right from the start. Such individual vehicle attributes as height, width, length and weight can be entered before the journey begins and taken into account for the calculation of the route. As a result, complicated u-turns in front of low bridges or overpasses can be easily avoided. To calculate these routes, Coach Navigation uses the information stored in the map data and finds the best route to meet your needs.
The navigation DVD that comes with the system includes more than 5 million kilometers of streets and roads in 26 European countries. There are also more than 600,000 so-called points of interest. Coach Navigation in the fourth generation continues on with the tradition of recognized precision in the systems provided by Bosch Car Multimedia. Innovative, powerful processor technology ensures the high-speed calculation of the routes. This new device is completely downward compatible, which means that it can be used to easily upgrade all types and classes of vehicles.

- Operating voltage: 12 V
- Operating temperature: -15 °C to +60 °C
- Enclosure: black plastic
- Dimensions (W x H x D): 179 x 51.3 x 210 mm
- Weight: 1.1 kg
- Installation angle: -5 to +15°
- Standards: e1, CE, WEEE

General information

- Traffic congestion avoidance: fully automatic, dynamic route guidance via RDS/TMC (important: suitable TMC source required)
- Exact: route guidance using easy-to-understand symbols, an informative map and a pleasant-sounding voice
- Point-of-view: route guidance is visualized in different screen views (simultaneous arrow/map, large map or arrow) and map views (due north, automatic, junction zoom), highway mode and lane display possible
- Informative: all important information, such as distance to next vehicle maneuver, arrival time, distance and remaining driving time to destination, current time, GPS position, TMC status are always on display
- Flexible: individual route after entry of vehicle-specific attributes, recommended route, fastest route, toll-free route, shortest route
- Memorable: destination memory for the last 12 destinations, memory in chronological order, last destination is always at the top of the list
- Locating: via gyroscope, speed signal and GPS
- Upgradeable: different components can be connected at a later date (for dynamic navigation, steering wheel remote control, video etc.)
- The service centers of many coach manufacturers are included as points of interest on the navigation DVD.

Monitor

- Large format: modern design in 16:9 format
- Flexible: adjustable height, contrast and brightness
- Theft protection: monitor is easy to remove
- Great sound: via the integrated speaker

Fig. top
Navigation display

Fig. bottom
Camera screen

CLX 01 multimedia display

The CLX 01 is a 6.5" LCD monitor with a 16:9 screen format that is able to display video pictures (DVD/video player, TV, cameras), operating interfaces (from the Professional Line 2 coach audio system) and navigation maps (from Coach Navigation). It is installed in the cockpit of the coach and connected to the CCU 02 MP3 Professional. The passenger monitors can also be connected to the CLX 01 so that the video and navigation pictures can be displayed for the passengers on their monitors thanks to the integrated converter. Up to four cameras can be supplied with 12 volts of operating voltage by the CLX 01 and displayed on the screen as desired.

- Screen diagonal: 164 mm
- Screen format: 16:9
- Viewing angle (H/V): ±65/-40 to +65°
- Resolution: 400 x 234 pixels
- LCD brightness: 420 cd/m²
- System: NTSC
- Operating voltage: 12/24 V
- Operating temperature: -30 °C to +60 °C
- Enclosure: black plastic
- Dimensions (W x H x D): 164 x 109.2 x 47.3 mm
- Weight: 840 g
- Standards: e1, FCC, CE, WEEE
- Monitor settings: brightness, contrast, color saturation, tint, format

Voltage divider 24/12 V

Is used to connect a Bosch Coach Navigation system to a 24 V vehicle network.

- Operating voltage: 24 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: black metal
- Dimensions (W x H x D): 140 x 44 x 75 mm
- Weight: 145 g
- Installation angle: unlimited
- Standards: e1, CE, WEEE

Accessories

Bosch monitors offer up to four direct connection options for interior and exterior cameras to allow the driver to keep an eye on the entire passenger cabin or loading area, to prevent intentional damage before it happens and to afford passengers greater safety when getting into the vehicle. Cameras behind the windshield provide the passengers in coaches with live pictures of what is going on in front of the vehicle. With a camera pointed at the driver, a clear picture visually supports any announcements that might be made.

The so-called camera switch offers the innovative function of automatically showing the pictures of up to four side and back-up cameras in one monitor picture after a corresponding signal has been received.

All the cameras and the monitor are supplied with power by the camera switch.

You've got eyes in the back of your head – **thanks to Bosch cameras.**

Color camera
Illustration in original size

Color camera

The camera is very small and designed to withstand the adverse affects of water, dirt and damage. It can be installed at different angles and in different locations. This camera exhibits a very high picture resolution and also works well at night, thanks to its high light sensitivity. It was specifically designed to meet OEM requirements

This camera is available in the following versions:
CC 90: The viewing angle covers 90°.
CC 90m: The viewing angle covers 90°. The camera reproduces a mirror image.
CC 138m: The viewing angle covers 138°. The camera reproduces a mirror image.
WVCi: This model has an adjustable viewing angle.

A special feature is the extra-wide viewing angle of 180°, so that only one camera can capture the entire back-up area for the driver. If it is installed behind the windshield, passengers can enjoy a panoramic view of the entire area. The camera resolution is 1.3 million pixels. At the request of the customer, the camera picture can also be straightened out.

- Operating voltage: 12 V
- Operating temperature: -30 °C to +70 °C
- Dimensions (W x H x D): 23.4 x 23.4 x 22.6 mm
- Weight: approx. 20 g
- Picture format: 16:9
- Power consumption: approx. 1.2 W
- Enclosure type: IP69
- Standards: e1, CE, WEEE

Camera holder

Camera holder

Thanks to its flexible material, this holder protects the Bosch cameras against damage. The camera holder is integrated into the vehicle to prevent theft and allows you to adjust the camera angle at any time. This means that you can always keep your eye on everything.

- Operating temperature: -40 °C to +90 °C
- Length: 55 mm
- Diameter: 50 mm
- Weight: 70 g
- Enclosure type: IP67

Camera switch

Camera switch

The camera switch can control up to four cameras automatically as well as manually. (A separate switching module can be connected for manual operation). It can be connected directly to the 12/24 V on-board network and supplies the cameras and the monitor with a constant 12 V.

- Operating voltage: 12/24 V
- Operating temperature: -20 °C to +70 °C
- Dimensions (W x H x D): 180 x 26 x 108 mm
- Weight: approx. 250 g
- Standards: e1, CE, WEEE

7" LCD monitor

7" LCD monitor

This extremely flat screen exhibits outstanding picture quality. Thanks to the direct connection to the camera switch, it offers the driver a panoramic view of the interior and exterior of the vehicle.

- Resolution: 1440 x 234 pixels
- Systems: PAL, NTSC
- Operating voltage: 12 V
- Operating temperature: -20 °C to +70 °C
- Enclosure: black plastic
- Dimensions (W x H x D): 179 x 115 x 34 mm
- Screen format: 16:9/4:3 PS or LB
- Monitor setting parameters: brightness, contrast, color saturation, tint

Back-up camera system in navigation

- Expand by adding video/DVD to create multimedia system
- Also available as retrofit solution
- Modular concept

Back-up camera system with CLX

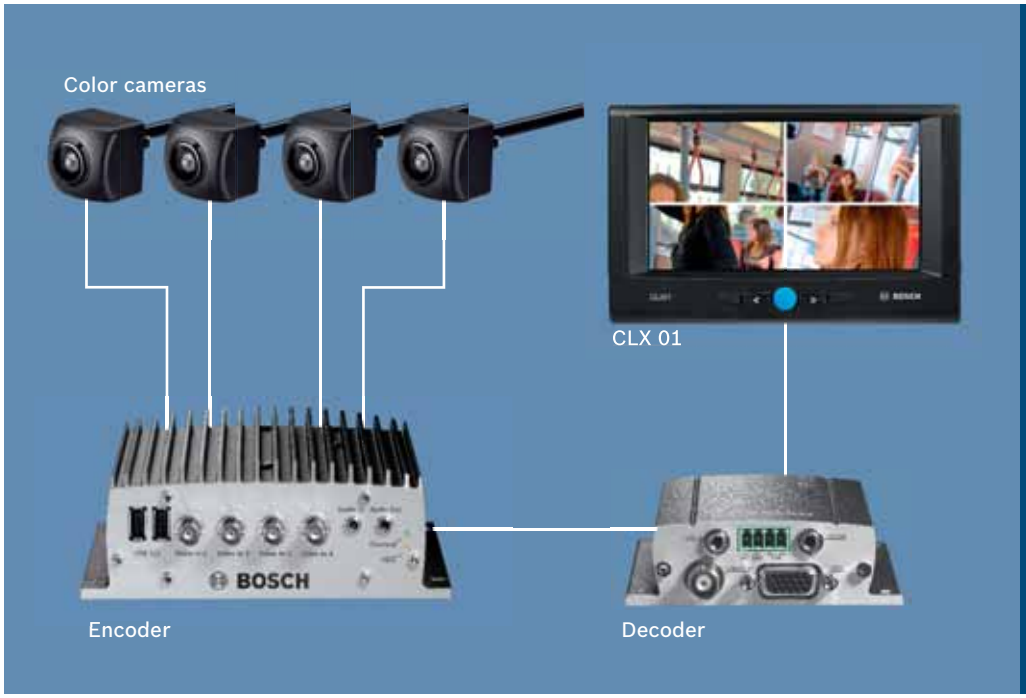
- Manual control of desired camera possible
- Camera power supplied by the monitor
- Connection of four cameras with different viewing angles possible

Automatic camera switch

- Manual control possible
- Includes automatic control of signal indicator and back-up signal
- Adjusts to individual driving situation
- Connection of four cameras with different viewing angles possible

How does the story continue?
With recording systems from Bosch.

Monitoring systems in busses are becoming increasingly popular and the Bosch Car Multimedia recording system is the most innovative system in this segment. There are many different options for individual system configuration. The evaluation software that is included with the system can also be adapted to meet your individual needs, making it a highly flexible system overall.



Recording device on the monitor

- Direct transmission of up to four pictures simultaneously to the driver monitor
- Diverse options for saving the video material
- Optional manual control of the cameras
- Also available as retrofit solution
- Modular concept

The recording system is expected to be available starting in spring 2010.

Bosch encoder

The Bosch recording systems are industrial high-performance encoders.
The system is equipped with four camera inputs. With their sturdy enclosures and their high vibration resistance, the encoders have been specifically designed for use in coaches and other vehicles. In addition to storing information on the internal, automotive-capable hard disk, they can also save data to a compact flash card or an external USB hard disk. Optionally, it is also possible to use an IP network to view the inside of the vehicle live and store the information via the network at the same time. Thanks to the integrated video motion recognition, the encoders are also able to record when triggered by object movement.

Bosch decoder

In addition to its compact size, the decoder is impressive in everything it can do: it supports H.264, MPEG-4 and MPEG-2 video transmission of PAL or NTSC signals via IP connections with up to 25/30 images per second in DVD quality.
The decoder is also able to simultaneously display four video sources (MPEG-4) on the driver monitor. When showing single images, it can reproduce H.264, MPEG-4 or MPEG-2.

All products at a glance.

Audio

Professional Line 2	Part number	Page
CCU 02 MP3 Professional	7 620 200 012 001	6
CVX 02 (RC 2)*	7 620 200 017 001	6
CVX 02 (RC 1)*	7 620 200 018 001	6
CVX 02 (RC 4)*	7 620 200 019 001	6
CVX 02 (RC 5)*	7 620 200 020 001	6
CPA 81	7 607 273 004 001	7
CPA 121	7 607 273 005 001	7
Classic Line 2		
CRD 47 MP3	7 620 210 011 001	8
CCA 47	7 620 210 013 001	8
Additional audio equipment		
CDC-A08 T CD changer	7 607 274 002 001	9
TA 41	7 607 273 007 001	9
BPA 49	7 607 273 001 001	9
CMA 12 V	7 607 273 008 001	9
Microphones		
CDM 08 GSM hands-free and announcement microphone	7 620 230 018 001	11
CDM 08 announcement microphone	7 620 230 019 001	11
BGM 09 S Bosch gooseneck microphone with switch	7 620 230 010 001	11
BGM 09 Bosch gooseneck microphone without switch	7 620 230 012 001	11
Mounting bracket for gooseneck microphone	7 607 022 001 001	
Foot switch for gooseneck microphone	7 607 005 710 001	
BGH 09 S Bosch handheld microphone	7 620 230 012 001	11
Fastening clip for handheld microphone	7 620 270 000 001	
Casing for handheld microphone	7 620 270 001 001	
Multichannel Audio System (MAS)		
MAS 02 head unit	7 620 240 004 001	13
MAS seat module, click-in	7 620 240 014 001	13
MAS seat module, screw-in	7 620 240 015 001	13
MAS terminal distributor	7 607 006 318 001	13
MAS terminal resistor	7 607 006 029 001	13

Video

	Part number	Page
23" LCD Premium Design	7 607 275 047 001	15
19" LCD Premium Design	7 620 310 025 001	15
19" LCD Premium swivel monitor	7 620 310 026 001	15
Holder for 19" LCD Premium swivel monitor	7 620 340 001 001	
15" LCD Premium Design	7 620 310 023 001	16
15" LCD Premium swivel monitor	7 620 310 024 001	15
Swivel module for 15" LCD monitor	7 607 005 738 001	16
Holder for 15" LCD Premium swivel monitor	7 607 005 739 001	
15" LCD EcoLine	7 620 310 018 001	16
15.4" LCD EcoLine Widescreen	7 620 310 016 001	16
10.2" LCD Premium Design	7 620 310 021 001	17
10.2" LCD Premium swivel monitor	7 620 310 020 001	17
10.2" LCD built-in monitor	7 620 310 022 001	17
6.5" CLM Design	7 620 310 029 001	17
6.5" CLM built-in	7 620 310 028 001	17
DVP 07 C DVD player (RC 2)*	7 620 320 015 001	20
DVP 07 C DVD player (RC 1)*	7 620 320 016 001	20
DVP 07 C DVD player (RC 4)*	7 620 320 017 001	20
DVP 07 C DVD player (RC 5)*	7 620 320 018 001	20
DVC 07 Coach (RC 2)*	7 620 100 071 001	20
DVC 07 Coach (RC 1)*	7 620 100 072 001	20
DVC 07 Coach (RC 4)*	7 620 100 073 001	20
DVC 07 Coach (RC 5)*	7 620 100 074 001	20
TV tuner 04	7 620 320 023 001	20
RGB/FBAS converter (NTSC)	7 620 330 001 001	21
Audio/video switch	7 620 330 002 001	21
VGA splitter	7 620 330 005 001	21
Video amplifierr	7 620 330 007 001	21
CityBus		
19" LCD CityBus DVI	7 620 310 007 001	19
Repeater	7 620 280 000 001	19
RJ45 connector	7 620 280 013 001	19
PC cable	7 620 280 005 001	19

Need help fast? No problem!
All our products work reliably even under the toughest conditions. If, however, a problem does occur, Bosch customer service makes sure that your equipment is quickly up and running again.

Are you looking for more accessories?
Pay us a visit on the Internet at www.bosch-professional-systems.com

*) RC = Region Code

Navigation

	Part number	Page
Coach Navigation PX-V with monitor	7 620 350 002 001	24
Coach Navigation PX-V without monitor	7 620 350 003 001	24
Multimedia Display CLX 01 (NTSC)	7 620 310 027 001	25
Voltage divider 24/12 V	7 607 363 510 001	25

Accessories

Cameras	Part number	Page
CC 90 (90° viewing angle)	7 620 500 006 001	27
CC 90m (90° viewing angle, mirror image)	7 620 500 005 001	27
CC 138m (138° viewing angle, mirror image)	7 620 500 003 001	27
WVCi (90-180° viewing angle, mirror image optional)	7 620 500 012 001	27
7" LCD monitor	7 620 500 007 001	27
Camera switch for up to 4 camera connections	7 620 500 004 001	27

Cables

Professional Line 2	Part number	Page
CPA – 1.7 m	7 607 006 421 001	
Connection for camera-monitor – 30 m	7 620 500 052 001	
Connection for CCU-CPA – 3.0 m	7 607 006 422 001	
Connection for CCU-CPA – 5.0 m	7 607 006 423 001	
Connection for CCU-CPA – 8.0 m	7 607 006 424 001	
Classic Line 2		
Connection for CRD-CVA – 3.0 m	7 607 006 444 001	
Extension cord for CVA-remote panel – 3.0 m	7 607 006 442 001	
Additional audio systems		
Connection for CDC A 08T-CPA – 5.0 m	7 607 006 404 001	
Extension cord for CDC A 08T-CPA – 1.3 m	7 607 621 154 001	
Extension cord for CDC A 08T-CPA – 6.0 m	7 607 621 155 001	
Connection for CDC A 08T-CRD – 5.0 m	7 607 006 413 001	

We get you moving!
Bosch has a network of coach service stations in all European countries that are popular travel destinations. Our personnel there are ready to help you with their expert knowledge. We can solve your problems then and there to get you moving again.

Accessories

Microphones	Part number
Extension cord for CDM 08–1.3 m	7 607 006 128 001
Extension cord for CDM 08–1.25 m	7 607 006 130 001
Connection cord for CDM 08–6 m	7 607 006 129 001
Connection cord for foot switch	7 607 181 001 001
Spiral cable for handheld microphone	7 607 006 113 001
iPod interface*	7 607 540 551 001
1 DIN installation compartment	7 607 006 326 001
Multichannel Audio System (MAS)	
Cable set for Professional Line 2–0.3 m	7 607 006 415 001
Cable set for Classic Line 2–0.3 m	7 607 006 435 001
Preamp cable – 5.0 m	7 607 006 327 001
Video sources	
Connection cord for CPA-MVP 01, MVP 08 NTSC – 2.5 m	7 607 006 416 001
Connection cord for CPA-MVP 02, DVP 07 C – 2.5 m	7 607 006 437 001
Extension cord for 7 607 006 416 001 – 1.3 m	7 607 006 439 001
Extension cord for 7 607 006 437 001 – 6.0 m	7 607 006 438 001
Remote cable for CCA 41 video source – 1.5 m	7 607 006 418 001
Remote cable for CCA 41 video source – 8.0 m	7 607 006 419 001
Video-audio cable – 10.0 m	7 607 402 000 001
Connection cable for monitor-monitor – 10.0 m	7 607 263 000 001
Connection cable for monitor-video source – 10.0 m	7 607 263 001 001
Navigation	
Connection cord for Coach Navigation CPA – 0.2 m	7 607 006 428 001
Connection cord for CLX-CCU/CVX – 1.0 m	7 607 006 429 001
Connection cord for CCU-converter– 6.0 m	7 607 006 430 001
Connection cord for Coach Navigation CLX – 1.0 m	7 607 006 431 001
Connection cord for Coach Navigation CLX – 6.0 m	7 607 006 434 001
Connection cord for Coach Navigation converter – 1.5 m	7 607 006 414 001
Connection cord for Coach Navigation converter – 4.0 m	7 607 006 410 001
Adapter cable TMC box-CVX/CCU – 1.3 m	7 607 006 445 001
Cameras	
Connection cord for camera-monitor – 20.0 m	7 783 111 282 001
Connection cord for camera-monitor – 30.0 m	7 783 111 793 001
Adapter cable camera-converter – 0.17 m	4 998 101 884 001
Adapter cable camera-camera switch – 0.32 m	4 998 101 885 001

* For certain iPods only.

Robert Bosch
Car Multimedia GmbH

Robert-Bosch-Straße 200
31139 Hildesheim
Germany
www.bosch.com
www.bosch-professional-systems.com

Subject to availability
and technical modification

8 671 201 474 001